	Oversight Summary	Site Name/Location	Pohatcong OU-3 New Jersey

Oversight Personnel	Role	Agency	Hours Onsite	Date/Weather
Grace Philpy	Field Oversight	USACE - NWK	14:00-22:00	21 November 2019

Main PRP Personnel Onsite	Site Name/Address	Brief SOW
Brad Gibson, RioTinto Site Manager Mike Eddings, Ramboll Site Superintendent Lee McIlvaine, Ramboll Stan Popelar, Ramboll Nita, Ramboll site safety officer Scott, others, TRS Chris, Ryan, David, Blake, Robert, GSE Kerry, Summit	191 New Jersey 31 Washington, NJ	Connect ducting to the overhead exhaust; begin drilling HF12-7.

Work Observed/Completed By PRP:

14:00 Shift change safety meeting with Ramboll, TRS, and GSE. Guarding and anchoring of the drill rig were discussed and reviewed with Rio Tinto.

15:00 Straps were added to anchors bolting the rig to the floor to further prevent movement of the rig. TRS worked to move the exhaust flexible ducting overhead and to the ceiling opening for exhaust. Guarding was mounted earlier in the day. Cuts were made for access to change rods.

17:30 Start drilling first few feet. Drill bit "walks" forward at shallow angles without resistance, so turned rig angle steeper to get drilling started and then will drill shallower. Air monitoring is ongoing with particulate, PID, and gas meter. Heat gun used to check for differences in ducting to find leaks. Duct work reduces from 4" to 3" diameters and is leaking at that connection; drilling is stopped and ductwork refastened and sealed. Clean air is being brought into the molding room from the air handlers on the side of the room currently and a large fan is on in the middle of the room.

19:00 Drilling restarts.

19:30 Lunch break; particulate monitoring shows increased ultrafine particles and NO2 values rising.

20:30 Troubleshoot duct work with rig in idle and monitoring air quality close to each joint.

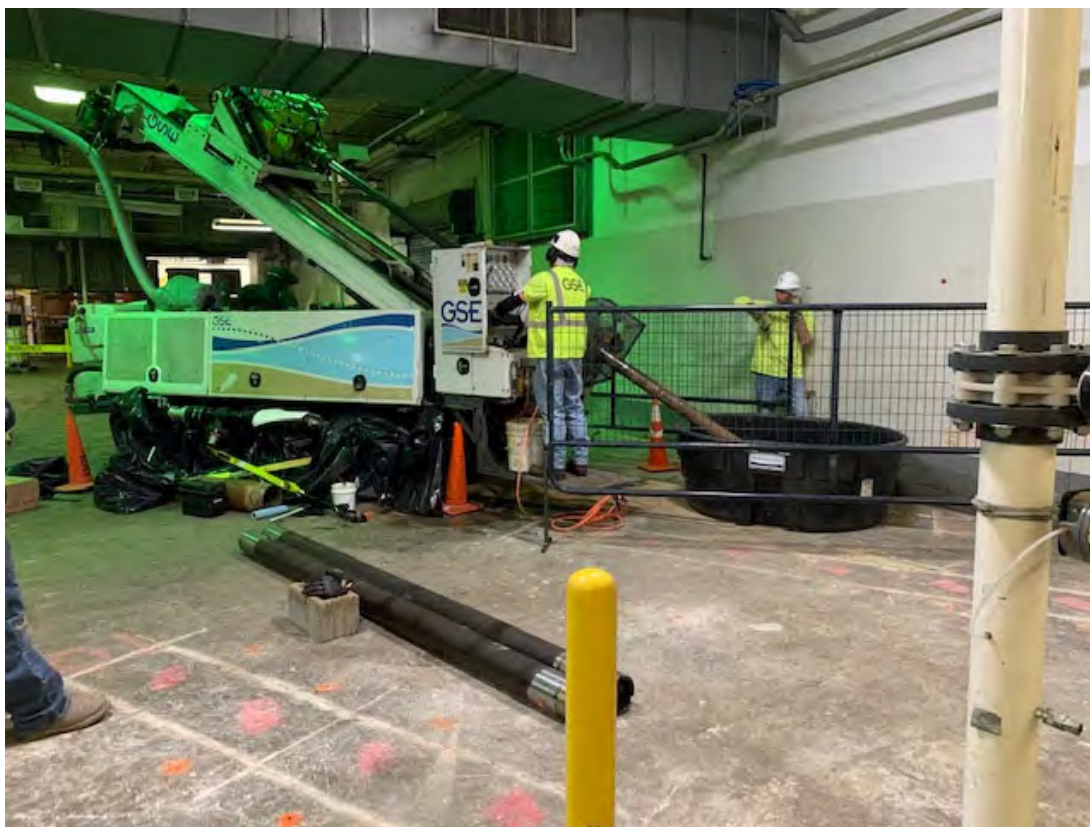
21:30 Drilling restarted to get back to the correct angle. By end of day, 10 feet of pipe in the ground within one degree of design azimuth and inclination. Plan is to overdrill with 9-inch casing to capture water during drilling (10-ft length) and after that drill with 4" inside of 6" casing.

21:45 Site cleanup. End of day. First shift tomorrow to improve exhaust ducting.

Notes: Rio Tinto conducting critical risk management training for portions of shifts Dec 3 and 4.



1. Drill rig with guarding before beginning to drill today.



3. Drilling first 10 feet.



2. View of ceiling. Exhaust piping ending at ceiling exhaust.